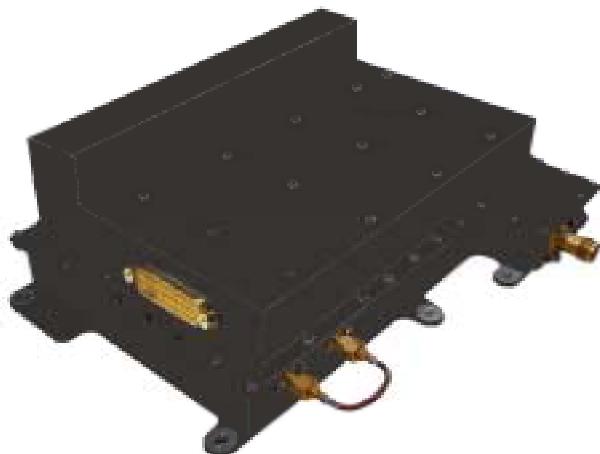


C-Band Solid State Power Amplifier

(50-70w Class SSPA)



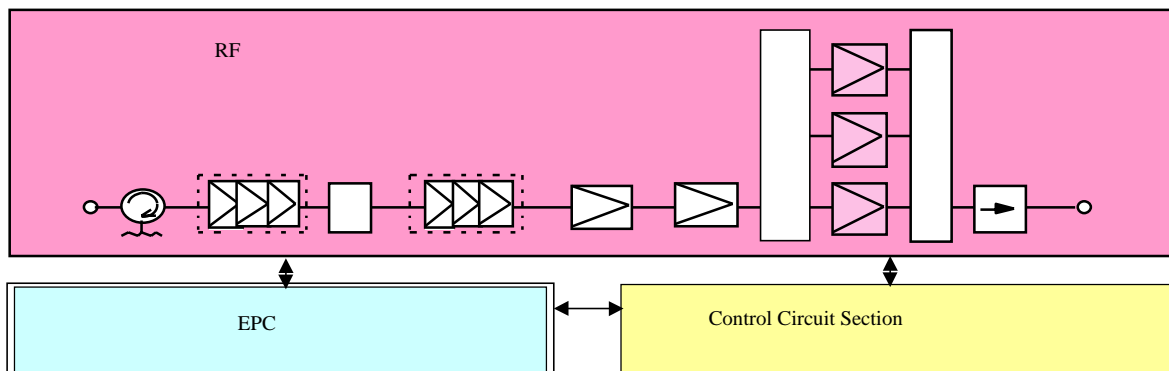
Features

- Higher Efficiency and Lower Heat Dissipation
- Light Weight and Compact Chassis
- Original Power Combining Technology
- Low Distortion Performance utilizing Linearizer Technique

Heritage

- Internal R&D

Block Diagram



Performance Summary

<u>Items</u>	<u>Description</u>	<u>Remarks</u>
Operating Frequency Range	Any 300MHz band over 3.4 - 4.2 GHz	
Nominal Gain	84 dB	@P2dB
Rated Output Power	60 Watts nominal	@P2dB
Overdrive Capability	Up to +15 dBm	
Gain Control	Total 29 dB/ 1 dB step	Gain Status TM is available
NPR	14.4dB	@-3dB IBO
Efficiency	48% nominal	@P2dB
Heat Dissipation	80 Watts maximum	Final target is less than 70 Watts.
Size	174(L) x 233(D) x 86(H) mm	
Mass	1.9 kg maximum	
Life	15 years	